



Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200

Purchasing Receipts

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
P0040286	THY001-VC	1		Net 30	M17-4H1150-R4,000	17-4 SS H1150 Round Bar 4.000" MATERIAL: 17-4 PH CONDITION H150 MATERIAL: 17-4 PH / S 17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE SPECIFICATION: AMS 5643 OR ASTM A564				6	6/27/2018	6		S084786	Stock	6/27/2018	\$ 165.83 / ft	0		\$995.00	Thyssenkrupp Materials CA Ltd
		2			M6061T6B2.500X4.500	6061-T6 Bar 2.50 X 4.000 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-2258 OR AMS-QQ-A-2258 OR AMS 4117/4128/4154/116 OR QQ-A-2008 OR AMS-QQ-A-2008 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12		12		S084787	Stock	6/27/2018	\$ 28.05 / ft	0		\$336.57	Thyssenkrupp Materials CA Ltd
		3			M6061T6B2.500X04.500	6061-T6 Bar 2.50 X 4.50 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-2258 OR AMS-QQ-A-2258 OR AMS 4117/4128/4154/116 OR QQ-A-2008 OR AMS-QQ-A-2008 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				6		6		S084788	Stock	6/27/2018	\$ 35.83 / ft	0		\$215.00	Thyssenkrupp Materials CA Ltd
		4			M6061T6B2.500X01.250	6061-T6 Bar 2.50 X 1.25 : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-2258 OR AMS-QQ-A-2258 OR AMS 4117/4128/4154/116 OR QQ-A-2008 OR AMS-QQ-A-2008 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				12		12		S084789	Stock	6/27/2018	\$ 9.74 / ft	0		\$116.87	Thyssenkrupp Materials CA Ltd
Total:										36		36								\$1,250.07	

PURCHASE ORDER
PO040266

Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada
Tel (613) 632-5200



Supplier:

THY001-VC
ThyssenKrupp Materials CA Ltd
O/A VPK Metal- c/o T27540
PO Box 4275, Postal "A"
Toronto
ON
M5W 5V8 Canada
Phone: 905 669 9444
Fax: 905 738 9033

Ship To:

1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040266
PO Date: 6/20/18
Due Date: 6/27/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Phone:
Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments: quote no. 1203154691



Line	Item	Job	Part	Supplier	Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	17-4 SS H1150 Round Bar		M17-4-H1150-R4.000			4.000" MATERIAL: 17-4 PH CONDITION H1150 MATERIAL: 17-4 PH / S 17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE SPECIFICATION: AMS 5643 OR ASTM A564	Firmed	6/27/18	6 ft	0 ft	6 ft	\$165.8333/ft	\$995.00
2	6061T6 Bar 2.250 X 4.000		M6061T6B2.250X4.000			6061T6 Bar 2.250 X 4.000 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QC-A-225/8 OR AMS-QC- A-225/8 OR AMS 4117/4128/415/4116 OR QC-A-200/8 OR AMS-QC- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	6/27/18	12 ft	0 ft	12 ft	\$28.0475/ft	\$336.57

Items

(1) HR

thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

DELIVERY NOTE

thyssenkrupp



5c

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

MTR

DATE: 06/27/2018
DOC. NO: 2406052923*
BOL. NO: 2406052923
ORDER NO: 1403692528
YOUR P/O: PO040266
CUSTOMER NO: 10058125
Route: 303UA
CONTACT: Lucy Truglio
TEL:
FAX:
EMAIL: lucy.truglio@thyssenkrupp.co



MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM DESCRIPTION NET QTY1 / QTY2 PACKAG 1008749583

CONDITION: H1150

GRAIN MUST BE ALONG LENGTH OF BAR

AMS 5643 OR ASTM A564

SSRD00764

T-17-4 Stainless Steel H1150 Double Heat Treat HRAP Round

UT

4.0000 " (+.0625-0) X 72 RBW Cutting - Standard +.125

Cut To Length

72.0000 " 1

Actual Chemistry/Act. Physical

Standard Packaging

CONDITION: H1150

GRAIN MUST BE ALONG LENGTH OF BAR

AMS 5643 OR ASTM A564

TAGNUM QTY

1013988781 1

PC VALBRUNA 0000265556 259563

SAE AMS 5643|U;ROHS COMPLIANT:ASTM A 564/A 564M|2013

Total Gross Weight

263.000 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID



DELIVERY NOTE

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 06/27/2018
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CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.
*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



776578 00-K1-1

Accredited
ISO 9001 / 17025

P.O. Box 802404 • Houston, TX 77280-2404 • Telephone (713) 460-3655 • Fax (713) 460-3695

To: ThyssenKrupp Materials NA
Copper & Brass Sales Division
P.O. Box 5116
Southfield, MI 48086-5116Report Date: 3/10/2017
Report No: 776378.00
Rev: A
Cust Acct: THY086

Ordered By: Karl Buchala PO: 5520120553-37A

Material: 17-4H1150 Double Heat Treat HRAP 4"OD X 6"Long Test Piece
Heat/ID: 259563 Tag: 1007207051

Job Info:

Tensile Test Results							
No/Location	Size	Area	Ult. Load	Yield	Tensile	Elong	R. of A. Fracture
1	.502 (in.)	(in ²)	(lbs.)	(psi)	(psi)	(%)	(%)
				114,000	138,800	22.4	62.4

Unless otherwise stated, yield stress is 0.2% offset, gauge length is 2 in. for 1/2 in. bars or 1 in. for 1/4 in. bars.

Stephanie Valencia
Documentation SpecialistDocument
Reviewed By:

Our reports are for the exclusive use of our customer and our name may be used only with prior written approval. Our reports apply only to the sample tested or inspected and do not necessarily represent the quality of other apparently similar or identical materials. All test specimens and testing conforms to ASTM A-370 requirements unless otherwise stated. This test report shall not be reproduced, except in full, without the written approval of Accu-Test Labs LLP.

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD STRENGTH PER TABLE
MINIMUM ULTIMATE STRENGTH PER TABLE

SPECIFICATION:
PART NUMBER:

AMS 5643 OR ASTM A564

M17-4	HHHH	R	X.XXX
COND			O.D.

WHERE: HHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW)
X.XXX = DIAMETER (IN INCHES)

MATERIAL CONDITION TABLE:

CODE	CONDITION	MIN. YIELD TENSILE STRENGTH (KSI)	MIN. ULTIMATE TENSILE STRENGTH (KSI)
(OMITTED)	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	100	150
H900	H900	170	190
H925	H925	155	170
H1025	H1025	145	155
H1075	H1075	125	145
H1100	H1100	115	140
H1150	H1150	105	135
CONDA	CONDITION A (SOLUTION TREATED)		

NOTES: IN H900 AND H825 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS. MATERIAL IN H900 AND H825 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE. CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED.

EXAMPLES:

PART	PART NUMBER
4.000" DIAMETER BAR MIN YTS = 150 KSI	M17-4-R0.000
2.500" DIAMETER BAR H900 CONDITION	M17-4-R900-R2.500
3.250" DIAMETER BAR H1025 CONDITION	M17-4-H1025-R3.250
0.750" DIAMETER BAR A CONDITION	M17-4-COMDA-R0.750

DECLASSIFIED
2017-10-31
EOM17-728
Cm

APPROVED

C	ADD MATERIAL CONDITION (ICR17-101)	NO	17.00.14
B	REFORMAT DWG. S174001TYPE 616 ADDED TO PURCHASE MATERIAL (2N DB-1). ADD AS64 SPEC (CR-1). REV PAR 00-400A	VS	10 05.20
A	REV ISSUE	CP	05.03.15
REV.	DESCRIPTION	BY	DATE
DESIGN	NO		
DRAWN	NO		
CHECKED	CP	DRAWING NO.	REV. C
MFG. APPR.	RA	M17-4-R	SHEET 1 OF
APPROVED	WM	TITLE	SCALE
DE APPR.	CP	17-4 SS ROUND BAR	NTS
DATE			

17.09.14

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Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>MS</u>	SIGNED OFF BY:	DATE: <u>18/06/21</u>

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y	
CORRECT FINISH	Y	
CORROSION	Y	
CORRECT GRAIN DIRECTION	Y	
CORRECT MATERIAL PER M-DRAWING	Y	AMS 5643
CORRECT THICKNESS	Y	
PHOTO REQUIRED	Y	
CORRECT REF # TO LINK CERT	Y	MT: 259563
CORRECT MATERIAL IDENTIFICATION	Y	
CORRECT M# ON THE MATERIAL	Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	

MATERIAL: <u>M17-4-11150-24.00</u>	DATE: <u>18/06/21</u>
MATERIAL CERT REC'D: <u>MS</u>	QUANTITY RECEIVED: <u>65</u>
QUANTITY INSPECTED: <u>64</u>	QUANTITY REJECTED: <u>1</u>
THICKNESS ORDERED: <u>4.00"</u>	THICKNESS RECEIVED: <u>4.00"</u>
SHEET SIZE ORDERED: <u>—</u>	SHEET SIZE RECEIVED: <u>—</u>
PO / BATCH NO.: <u>P0040266/5084786</u>	

MATERIAL RECEIPT INSPECTION FORM

① A1

thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

DELIVERY NOTE



thyssenkrupp

50

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

MTR

DATE: 06/27/2018
DOC. NO: 2406057366*
BOL. NO: 2406057366
ORDER NO: 1403692528
YOUR P/O: PO040266
CUSTOMER NO: 10058125
Route: 303UA
CONTACT: Lucy Truglio
TEL: 1008750487
FAX: 1008750487
EMAIL: lucy.truglio@thyssenkrupp.co



MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM	DESCRIPTION	NET QTY1 / QTY2	PACKAG
------	-------------	-----------------	--------

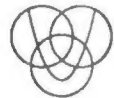
0010	AMS-QQ-A-225/8, AMS-4160, ASTM B211	1	1008750487
	ALRECC00025		
	6061 T6511 Aluminum Extruded Rectangular		
	2.25000 (+-.024) X 4.0000 (+-.034) X 144 Mill Length		
	Nominal Chemistry/Act Physical		
	Standard Packaging		
	AMS-QQ-A-225/8, AMS-4160, ASTM B211		
	TAGNUM QTY UOMVEND VENDPO HIOT		
	2001379154 1 PC SERVICE C 5400398986		
	20180733		
	PCS --- COM		

129 lb

PC

Total Gross Weight 131.000 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID



thyssenkrupp

thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

DELIVERY NOTE

thyssenkrupp Materials NA

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 06/27/2018
DOC. NO: 2406057366 *
BOL. NO: 2406057366
ORDER NO: 1403692528
YOUR P/O: PO040266
CUSTOMER NO: 10058125
Route: 303UA
CONTACT: Lucy Truglio
TEL:
FAX:
EMAIL: lucy.truglio@thyssenkrupp.co
m

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.
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David Noordine - Director of Quality Assurance

thyssenkrupp Materials NA
22355 W 11 Mile Road
Southfield, MI 48033

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061 T6/T651/T6510/T651/T62 ALUMINUM BAR

SPECIFICATION

OO-A-225/8 OR AMS-OQ-A-225/8 (OR AMS-4224/28/415/4116)
OR OO-A-200/8 OR AMS-OQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | TTTT | X | WW/WWW/
THICK | WIDTH

WHERE "TTTT" = THICKNESS IN INCHES
"WW/WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
2009-05-03
JMP

A		B		REMOVE OO-A-250/11 OPTION REFORMAT NOTES ADD ASTM B211/B221 (2N D7-1)		L.D.		09/07/13	
REV		DESCRIPTION		BY		DATE			
DESIGN		DS		DATE		01/06/08			
DRAWN		DS		DATE		01/06/08			
CHECKED		AS		DATE		01/06/08			
MFG. APPR.		M6061T6B		DATE		01/06/08			
APPROVED		M6061T6B		DATE		01/06/08			
DATE		09/07/13		DATE		01/06/08			
DART AEROSPACE LTD		DART AEROSPACE LTD		DART AEROSPACE LTD		DART AEROSPACE LTD			
HAWKESBURY ONTARIO CANADA		HAWKESBURY ONTARIO CANADA		HAWKESBURY ONTARIO CANADA		HAWKESBURY ONTARIO CANADA			
REV B		REV B		REV B		REV B			
SHEET 1 OF 1		SHEET 1 OF 1		SHEET 1 OF 1		SHEET 1 OF 1			
SCALE		SCALE		SCALE		SCALE			
NTS		NTS		NTS		NTS			

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <i>AT</i>	DATE: <i>18/06/27</i>	SIGNED OFF BY:
		DATE:

testers located in the Quality Office

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y	
CORRECT FINISH	<input checked="" type="checkbox"/> Y	
CORROSION	<input checked="" type="checkbox"/> Y	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y	AMS-4160
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y	HT: 201807337
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y	

MATERIAL: <i>M60617662.25024000</i>	DATE: <i>18/06/27</i>
MATERIAL CERT REC'D: <i>Yes</i>	QUANTITY RECEIVED: <i>12ft</i>
QUANTITY INSPECTED: <i>12ft</i>	QUANTITY REJECTED: <i>0</i>
THICKNESS ORDERED: <i>2.25"</i>	THICKNESS RECEIVED: <i>2.25"</i>
SHEET SIZE ORDERED: <i>—</i>	SHEET SIZE RECEIVED: <i>—</i>
PO / BATCH NO.: <i>P00402266/5084737</i>	

MATERIAL RECEIPT INSPECTION FORM



DELIVERY NOTE

thyssenkrupp Materials NA, 4700 chemin du Bois-Franc, Saint-Laurent, QC H4S 1A7

①

AR

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 06/27/2018

DOC. NO: 2406053413*

BOL. NO: 2406053413

ORDER NO: 1403692528

YOUR P/O: PO040266

CUSTOMER NO: 10058125

Route: 303-A

CONTACT: Lucy Truglio

TEL:

FAX:

EMAIL:

lucy.truglio@thyssenkrupp.co
m

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM DESCRIPTION

AMS-00-A-225/8, AMS-4160, ASTM B211 OR ASTM

1008752812

B221

ALREC00215

6061 T6511 Aluminum Extruded Rectangular

2.50000 (+-.024) X 4.5000 (+-.034) X 72 RBW Cutting - Standard +.125

Cut To Length

72.0000 " 1

Nominal Chemistry/Act Physical

Standard Packaging

AMS-00-A-225/8, AMS-4160, ASTM B211 OR ASTM

B221

TAGNUM QTY

1013991879 1

PC SERVICE C

5400390588

201802890

HILOT

PCS

COM

Total Gross Weight

84.000 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID



DELIVERY NOTE

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 06/27/2018
DOC. NO: 2406053413*
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David Noordine - Director of Quality Assurance



Can Do.

Service Center Metals

5850 Quality Way

Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



SHIP ORDER NUMBER	ITEM
945044	1

DATE OF SHIPMENT
3/19/2018

SALES PERSON
D. Schroeder (Canada)

MANIFEST NUMBER
361468

CUSTOMER PO
5400390588

CUSTOMER PART NUMBER
ALREC00215

QUANTITY
1.12' lbs 7 pcs

DATE OF SHIPMENT
3/19/2018

SALES PERSON
D. Schroeder (Canada)

MANIFEST NUMBER
MRB0484

ALLOY / TEMPER
6061-T5514

DESCRIPTION
MCRB 2.500x4.500

ASTM-B221-14 StencilCont

SPECIFICATION
AMS-QQA-200/8 Rev-A obsolete

SPECIFICATION
RoHS 2011/65/EU Compliant

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material of the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T5514 also meet the requirements of 6061-T5.

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not to the best of our knowledge contacted any source of mercury.

This product is RoHS-2, REACH, and WEEE compliant.

SCM is ISO 9001-2015 certified

Mechanical Properties

Tests Lot No.

1 201802890

Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
min 50.20	min 47.00	min 17.50
max 50.20	max 47.00	max 17.50

Test Date

2/18/18

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	AL	Others		Melt Source:
												Each	Total	
02131802	201802890	6061	0.75	0.35	0.31	0.10	0.90	0.09	0.12	0.03	97.35	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Calvin J. Wiggins, Director of Quality & Technical Services

Print Date: 3/19/2018

Rev 3/14/2012

From: TK Materials CA, Ltd.

Cust. DART AEROSPACE LTD

CStar

Wgt.: 80 LB

Date 06/26/2018

CStar P0040266

Del.: 2406053413

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061-T6/T651/T6510/T6511/T652 ALUMINUM BAR

SPECIFICATION
 QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/415/4116)
 OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
 OR ASTM B211 OR ASTM B221

PART NUMBER

M6061T6B TTT X WWW WWW

THICK WIDTH

WHERE "TTT" = THICKNESS IN INCHES
 "WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1 000X12 000

RELEASED
 2009-05-03
 [Signature]

B		REMOVE QQ-A-250/11 OPTION REFORMA1 NOTES, ADD		CP	09 07 13
A		ASTM B211B221 (2N D7-1)		BY	01 06 09
REV		NEW ISSUE			
DESIGN	DS	DESCRIPTION		DART AEROSPACE LTD	
DRAWN	47	DRAWING NO		HAWKESBURY ONTARIO CANADA	
CHECKED	47	M6061T6B		REV. B	
MFG APPR	[Signature]	TIT E		SHEET 1 OF 1	
APPROVED	[Signature]	6061-T6 BAR		SCALE	
DE APPR	[Signature]			NTS	
DATE	09 07 13			COPYRIGHT ©2001 BY DART AEROSPACE LTD	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

QC IR INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AS</u>	DAS
DATE: <u>18/06/17</u>	9-89
SIGNED OFF BY:	
DATE:	

Testers located in the Quality Office

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	AMS-00-A-2378
CORRECT THICKNESS	<input checked="" type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	HT: 2018022810
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/>	

MATERIAL CERT REC'D: <u>1/2</u>	QUANTITY RECEIVED: <u>654</u>
QUANTITY INSPECTED: <u>654</u>	QUANTITY REJECTED: <u>0</u>
DATE: <u>18/06/17</u>	
MATERIAL: <u>M60617682.500 X 04500</u>	PO / BATCH NO.: <u>8040266/5084788</u>
THICKNESS ORDERED: <u>2.50"</u>	THICKNESS RECEIVED: <u>2.50"</u>
SHEET SIZE ORDERED: <u>—</u>	SHEET SIZE RECEIVED: <u>—</u>

MATERIAL RECEIPT INSPECTION FORM

DELIVERY NOTE

thyssenkrupp



DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 06/27/2018
DOC. NO: 2406053584
BOL. NO: 2406053584
ORDER NO: 1403692528
YOUR P/O: P0040266
CUSTOMER NO: 10058125
Route: 303-A
CONTACT: Lucy Truglio
TEL:
FAX:
EMAIL: lucy.truglio@thyssenkrupp.co



MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.
ATTN: CHANTAL/LINDA
** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

Deliveries are carried out for your account and risk acc. to our Gen. Terms & Cond. of Delivery and Payment.

ITEM DESCRIPTION

AMS-QQ-A-225/8/AMS-4160, ASTM B211 OR ASTM

0010

B221

ALREC00316

6061 T6511

Aluminum Extruded Rectangular

1.25000 (+-.012) X 2.5000 (+-.024) X 144 Mill Length

Nominal Chemistry/Act Physical

Standard Packaging

AMS-QQ-A-225/8/AMS-4160, ASTM B211 OR ASTM

B221

TAGNUM QTY

UOMVEND

VENDPO

HLOT

PCS

COM

2001379331 1 PC SERVICE C 5400400615 201807982

ROHS COMPLIANT,ASTM B 221|2014

Total Gross Weight

52.000 lb

All items, not declared as partial delivery, are final quantities.
Delivery Terms: PPD gem. Incoterms 2000 Prepaid PREPAID



DELIVERY NOTE

DART AEROSPACE LTD
1270 ABERDEEN ST
HAWKESBURY ON K6A 1K7

DATE: 06/27/2018
DOC. NO: 2406053584*
BOL. NO: 2406053584
ORDER NO: 1403692528
YOUR P/O: PO040266
CUSTOMER NO: 10058125
Route: 303-A
CONTACT: Lucy Truglio
TEL: 303-A
FAX: 303-A
EMAIL: lucy.truglio@thyssenkrupp.co

CERTIFICAT DE CONFORMITÉ/CERTIFICATE OF COMPLIANCE

*thyssenkrupp Matériaux NA certifie que le matériel décrit ci-dessus est conforme aux dessins ou spécifications exigés sur le bon de commande et qui sont en vigueur à la date ou la commande a été acceptée./ thyssenkrupp Materials NA certifies that the material described above is in accordance with the drawings or specifications called for on said order that are current on the date order was accepted.
*Nous certifions que le document reproduit ici est une copie conforme du rapport fourni par le fournisseur du matériel où les données résultent de l'analyse faite par un laboratoire qualifié/ We certify that the document reproduced here is true to the report provided by the equipment supplier where the data are the result of analysis by a qualified laboratory.

David Noordine - Director of Quality Assurance



Can Do.

Service Center Metals

5850 Quality Way

Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER		ITEM	
950583		4	

BILL TO	MANIFEST NUMBER	DIE NUMBER	DATE OF SHIPMENT	CERTIFICATION
ThyssenKrupp Materials NA	366563	MRB0475	5/8/2018	ASTM-B221-14 StencilCont
SHIP TO	CUSTOMER PO	ALLOY / TEMPER	SALESPERSON	SPECIFICATION
ThyssenKrupp Materials NA-St Laurent, QC	5400400615	6061-T6511	D. Schroeder (Canada)	RoHS 2011/65/EU Compliant
Quantity Certified	3,738 lbs	84 pcs	DESCRIPTION	
			ALREC00316	
			QMRB 1.250 x 2.500	

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6

All aluminum products supplied by Service Center Metals, LLC contain no functional mercury. Neither mercury nor its compounds are used in the manufacture of aluminum products at our facility. Furthermore, aluminum products supplied by Service Center Metals have not, to the best of our knowledge, contacted any source of mercury.

This product is RoHS-2, REACH, and DFARS compliant.

SCM is ISO 9001-2015 certified

Mechanical Properties

Tests Lot No.

3 201807982

Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
5/6/18	min 48.30 max 50.10	min 43.90 max 46.20	min 14.80 max 16.90

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	AL	Each	Total	Others	Melt Source:
001E180323A	201807982	6061	0.75	0.37	0.32	0.11	0.90	0.11	0.06	0.03	97.35	0.05	0.15		United States of America
001E180323Y	201807982	6061	0.76	0.37	0.33	0.12	0.97	0.10	0.05	0.03	97.27	0.05	0.15		United States of America

SCM products are melted and extruded in the USA

Calvin J. Wiggins

Calvin J. Wiggins, Director of Quality & Technical Services

Rev 3/14/2018

Print Date: 5/8/2018

From: TK Materials CA, Ltd.
Cust: DART AEROSPACE LTD
CstAR
Wgt.: 44 LB
Date: 06/26/2018
Cstor P0040266
Del.: 2406053584

Handwritten signature

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL 6061 T6/T651/T6510/T651 T662 ALUMINUM BAR

SPECIFICATION:
 QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
 OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
 OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B	T.TT	X	WW.WWW
	THICK		WIDTH

WHERE "T.TT" = THICKNESS IN INCHES
 "WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1 000X12 000

REV	DESCRIPTION	DATE
A	REMOVE QQ-A-250/1 (OPTION REFORMAI NOTES, ADD ASTM B211B221 (2N D7-1))	09.07.13
DESIGN	DS	01.06.08
DRAWN	DS	
CHECKED	DS	
MFG. APPR.	DS	
APPROVED	DS	
DE APPR.	DS	
DATE	09.07.13	

RELEASED
 2009-05-03

DESIGN	DS	DESCRIPTION
DRAWN	DS	DART AEROSPACE LTD
CHECKED	DS	HAWKESBURY, ONTARIO, CANADA
MFG. APPR.	DS	DRAWING NO
APPROVED	DS	M6061T6B
DE APPR.	DS	TITLE
DATE	09.07.13	6061-T6 BAR

REV B	SHEET 1 OF 1
SCALE	NTS

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M60617682500x4.250

DATE: 18/06/27

MATERIAL CERT REC'D: Yes

QUANTITY RECEIVED: 12H

QUANTITY INSPECTED: 12H

QUANTITY REJECTED: 0

PO / BATCH NO.: P0402665084789

THICKNESS ORDERED: 2.500"

THICKNESS RECEIVED: 2.500"

SHEET SIZE ORDERED: —

SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	Y (Y)	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	Y (Y)	
CORRECT MATERIAL PER M-DRAWING	Y (Y)	AMS-QQ-A-225/8
CORRECT THICKNESS	Y (Y)	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	Y (Y)	MT: 201807482
CORRECT MATERIAL IDENTIFICATION	Y (Y)	
CORRECT # ON THE MATERIAL	Y (Y)	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.				
RECORD RESULTS BELOW				
HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

Testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY: DAS 9 18/06/27

DATE: 18/06/27

SIGNED OFF BY:

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in